# BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK:** IMPROVEMENTS TO ROADS AND DRAINS AT AMRUTHNAGARA, B- SECTOR NEAR AMRUTHAHALLI NEW POLICE STATION IN WARD NO 07 - BYATARAYANAPURA, KODIGEHALLI SUB DIVISION.

**CONSULTANT:**


**BVH.CONSULTING ENGINEERS**

**# 41/2, 6TH MAIN ROAD JNANAJYOTHI NAGAR,**
**MALATHALLI, BANGALORE-560056**
**PHONE : 9964339888, LANDLINE:08023241948**
**EMAIL :mbnk2278@yahoo.com**

# Bruhat Bangalore Mahanagara Palike

## BYTARAYANAPURA DIVISION

**Job No: 007-16-000043 26618**

**Name of Agency :- Benaka Developers and projects Pvt. Ltd**

**Bill No :- 2nd Part Bill**

**Name of work:** Improvements to Roads and drains at Amruthnagara, B- Sector near Amruthahalli new Police station in ward No 07 - Byatarayanapura, Kodigehalli Sub Division.

| Sl No | Description of Work | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | **Desilt** | **Cum** | | | | | | | |
| | **2nd Cross Road LHS** | | | | | | | | |
| | LHS 0-30 | | 1 | 30.00 | 0.45 | 0.40 | 5.40 | | |
| | 30-55 | | 1 | 25.00 | 0.45 | 0.40 | 4.50 | | |
| | RHS 0-30 | | 1 | 15.00 | 0.45 | 0.40 | 2.70 | | |
| | **3rd Cross Road LHS** | | | | | | | | |
| | LHS 0-33 | | 1 | 33.00 | 0.45 | 0.40 | 5.94 | | |
| | RHS 0-30 | | 1 | 30.00 | 0.45 | 0.40 | 5.40 | | |
| | **4th Cross Road LHS** | | | | | | | | |
| | LHS 0.00-30 | | 1 | 30.00 | 0.45 | 0.40 | 5.40 | | |
| | 30-54 | | 1 | 24.00 | 0.45 | 0.40 | 4.32 | | |
| | RHS 0.00-30 | | 1 | 30.00 | 0.45 | 0.40 | 5.40 | | |
| | 30-60 | | 1 | 30.00 | 0.45 | 0.40 | 5.40 | | |
| | 60-65 | | 1 | 5.00 | 0.45 | 0.40 | 0.90 | | |
| | **5th Cross Road LHS** | | | | | | | | |
| | 0.00-30 | | 2 | 30.00 | 0.60 | 0.40 | 14.40 | | |
| | 30-60 | | 2 | 30.00 | 0.60 | 0.40 | 14.40 | | |
| | 60-90 | | 2 | 30.00 | 0.60 | 0.40 | 14.40 | | |
| | 90-94 | | 2 | 4.00 | 0.60 | 0.40 | 1.92 | | |
| | **6th Cross Road LHS** | | | | | | | | |
| | 0-30 | | 2 | 30.00 | 0.60 | 0.40 | 14.40 | | |
| | 30-60 | | 2 | 30.00 | 0.60 | 0.40 | 14.40 | | |
| | 60-96 | | 2 | 36.00 | 0.60 | 0.40 | 17.28 | | |
| | **Desilt of drain 3rd main road Amruthanagara RHS** | | | | | | | | |
| | RHS 0-30 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | 30-50 | | 1 | 20.00 | 0.60 | 0.40 | 4.80 | | |
| | | | | | | | | | |
| | **Between 1st cross to 2nd cross road** | | | | | | | | |
| | RHS 0-29 | | 1 | 29.00 | 0.60 | 0.40 | 6.96 | | |

For Benaka Developers and Projects Pvt. Ltd. Consulting Engineers

Proprietor

Applied. N.D
AE(HQ)



Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P
Bangalore - 560 06

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|---|---|---|---|---|---|---|---|---|---|
| | Between 2nd cross to 3rd cross road | | | | | | | | |
| | RHS 0-26 | | 1 | 26.00 | 0.60 | 0.40 | 6.24 | | |
| | Between 3rd cross to 4th cross road | | | | | | | | |
| | RHS 0-30 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | 30-60 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | 60-78 | | 1 | 18.00 | 0.60 | 0.40 | 4.32 | | |
| | Between 4th cross to 5th cross road | | | | | | | | |
| | RHS 0-30 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | 30-46 | | 1 | 16.00 | 0.60 | 0.40 | 3.84 | | |
| | Desilt of drain 3rd main road Amruthanagara LHS | | | | | | | | |
| | From Ch:0.00 m to 1st cross road RHS | | | | | | | | |
| | LHS 0-23 | | 1 | 23.00 | 0.60 | 0.40 | 5.52 | | |
| | Between 1st cross to 2nd cross road | | | | | | | | |
| | LHS 29-62 | | 1 | 33.00 | 0.60 | 0.40 | 7.92 | | |
| | Between 2nd cross to 3rd cross road | | | | | | | | |
| | LHS 68-100 | | 1 | 32.00 | 0.60 | 0.40 | 7.68 | | |
| | Between 3rd cross to 4th cross road | | | | | | | | |
| | LHS 106.5-134.5 | | 1 | 28.00 | 0.60 | 0.40 | 6.72 | | |
| | Between 4th cross to 5th cross road | | | | | | | | |
| | LHS 140.3-170.3 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | Between 5th cross to 6th cross road | | | | | | | | |
| | LHS 177.7-209.7 | | 1 | 32.00 | 0.60 | 0.40 | 7.68 | | |
| | Between 6th cross to 7th cross road | | | | | | | | |
| | LHS 216.1-246.1 | | 1 | 30.00 | 0.60 | 0.40 | 7.20 | | |
| | 246.1-257 | | 1 | 10.90 | 0.60 | 0.40 | 2.62 | | |
| | | | | | | | | | |
| | Culverts RHS of 3rd main road Amruthanagara | | | | | | | | |
| | New Culvert at 2nd cross | | 1 | 7.10 | 1.50 | 1.00 | 10.65 | | |
| | New Culvert at 3rd cross | | 1 | 8.00 | 1.50 | 1.00 | 12.00 | | |
| | | | | | | | | | |
| | over burden earth | | | | | | | | |
| | At main road LHS | | 1 | 32.00 | 2.80 | 0.55 | 49.28 | | |
| | At 1st cross road | | 1 | 26.00 | 1.60 | 0.40 | 16.64 | | |
| | At 2nd cross road | | 1 | 29.00 | 2.10 | 0.35 | 21.32 | | |
| | At 3rd cross road | | 1 | 27.00 | 1.90 | 0.45 | 23.09 | | |
| | At 4th cross road | | 1 | 22.00 | 2.80 | 0.40 | 24.64 | | |
| | At 5th cross road | | 1 | 28.00 | 2.00 | 0.45 | 25.20 | | |
| | At 6th cross road | | 1 | 21.00 | 3.00 | 0.45 | 28.35 | | |

For B.V.H. Constructions Engineers

Proprietor

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total Qty Cum | | 455.22 | 196.00 | 89222.34 |
| | | | | | | | | | |
| 2 | Removing & Refixing Stone slabs of drains and Pointing in C.M (1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | **BS Slab Drain** | **Sqm** | | | | | | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | Infront of Blue Colour Building | | | | | | | | |
| | **RHS at bottom** | | 1 | 26.00 | 0.40 | | 10.40 | | |
| | **sides** | | 2 | 26.00 | 0.45 | | 23.40 | | |
| | Infront of Bhagya Laxmi Provision Stores | | | | | | | | |
| | **RHS at bottom** | | 1 | 14.00 | 0.40 | | 5.60 | | |
| | **sides** | | 2 | 14.00 | 0.45 | | 12.60 | | |
| | Infront of Bheema Andhra Mess | | | | | | | | |
| | **RHS at bottom** | | 1 | 12.00 | 0.40 | | 4.80 | | |
| | **sides** | | 2 | 12.00 | 0.45 | | 10.80 | | |
| | Infront of Matha Pitra Krupa | | | | | | | | |
| | **RHS at bottom** | | 1 | 15.00 | 0.40 | | 6.00 | | |
| | **sides** | | 2 | 15.00 | 0.45 | | 13.50 | | |
| | Infront of Yellow Colour Building | | | | | | | | |
| | **RHS bottom** | | 1 | 16.00 | 0.40 | | 6.40 | | |
| | **sides** | | 2 | 16.00 | 0.45 | | 14.40 | | |
| | Infront of Sri Venkateshwara Nilaya & Ramu Iron Shop | | | | | | | | |
| | **RHS bottom** | | 1 | 27.00 | 0.40 | | 10.80 | | |
| | **sides** | | 2 | 27.00 | 0.45 | | 24.30 | | |
| | Beside Shri Parvathi Mutthu Rajalaya | | | | | | | | |
| | **RHS bottom** | | 1 | 30.00 | 0.40 | | 12.00 | | |
| | **sides** | | 2 | 30.00 | 0.45 | | 27.00 | | |
| | Beside Shri Parvathi Mutthu Rajalaya | | | | | | | | |
| | **RHS bottom** | | 1 | 5.00 | 0.40 | | 2.00 | | |
| | **sides** | | 2 | 5.00 | 0.45 | | 4.50 | | |
| | Beside Hotel Swadista | | | | | | | | |
| | **LHS bottom** | | 1 | 15.00 | 0.40 | | 6.00 | | |
| | **sides** | | 2 | 15.00 | 0.45 | | 13.50 | | |
| | Beside Ganapathi Cool Joint & Infront of Pebbal's Beauty Lounge | | | | | | | | |
| | **LHS at bottom** | | 1 | 27.00 | 0.40 | | 10.80 | | |
| | **sides** | | 2 | 27.00 | 0.45 | | 24.30 | | |
| | Infront of Euro Kids School | | | | | | | | |

Checked .N.D
AE(W2) 25/01/18

For D.V.R. Constructions Engineers
Proprietor

AE(W2)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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|---|---|---|---|---|---|---|---|---|---|
| | **LHS at bottom** | | 1 | 30.00 | 0.40 | | 12.00 | | |
| | **sides** | | 2 | 30.00 | 0.45 | | 27.00 | | |
| | Infront of Cream Colour Building | | | | | | | | |
| | **LHS at bottom** | | 1 | 23.00 | 0.40 | | 9.20 | | |
| | **sides** | | 2 | 23.00 | 0.45 | | 20.70 | | |
| | | | | | | | | | |
| | **3rd Cross Road** | | | | | | | | |
| | Infront of White Colour Building | | | | | | | | |
| | **RHS bottom** | | 1 | 12.00 | 0.40 | | 4.80 | | |
| | **sides** | | 2 | 12.00 | 0.45 | | 10.80 | | |
| | Infront of White Colour Building | | | | | | | | |
| | **RHS bottom** | | 1 | 6.00 | 0.40 | | 2.40 | | |
| | **sides** | | 2 | 6.00 | 0.45 | | 5.40 | | |
| | Infront of House No. 44 | | | | | | | | |
| | **LHS at bottom** | | 1 | 4.50 | 0.40 | | 1.80 | | |
| | **sides** | | 2 | 4.50 | 0.45 | | 4.05 | | |
| | Infront of House No. 43 | | | | | | | | |
| | **LHS at bottom** | | 1 | 4.50 | 0.40 | | 1.80 | | |
| | **sides** | | 2 | 4.50 | 0.45 | | 4.05 | | |
| | Infront of House No. 42 | | | | | | | | |
| | **LHS at bottom** | | 1 | 4.50 | 0.40 | | 1.80 | | |
| | **sides** | | 2 | 4.50 | 0.45 | | 4.05 | | |
| | Infront of House No. 41 | | | | | | | | |
| | **LHS at bottom** | | 1 | 5.40 | 0.40 | | 2.16 | | |
| | **sides** | | 2 | 5.40 | 0.45 | | 4.86 | | |
| | Infront of House No. 40 | | | | | | | | |
| | **LHS at bottom** | | 1 | 18.00 | 0.40 | | 7.20 | | |
| | **sides** | | 2 | 18.00 | 0.45 | | 16.20 | | |
| | | | | | | | | | |
| | **4th Cross Road** | | | | | | | | |
| | Infront of Prakruthi | | | | | | | | |
| | **RHS bottom** | | 1 | 24.00 | 0.40 | | 9.60 | | |
| | **sides** | | 2 | 24.00 | 0.45 | | 21.60 | | |
| | Infront of Brundhavana | | | | | | | | |
| | **RHS bottom** | | 1 | 4.50 | 0.40 | | 1.80 | | |
| | **sides** | | 2 | 4.50 | 0.45 | | 4.05 | | |
| | Infront of Shivs Sai Nilaya & Pramuka | | | | | | | | |
| | **RHS bottom** | | 1 | 25.20 | 0.40 | | 10.08 | | |
| | **sides** | | 2 | 25.20 | 0.45 | | 22.68 | | |
| | Infront of House No. 52 'B' Sector | | | | | | | | |
| | **RHS bottom** | | 1 | 6.30 | 0.40 | | 2.52 | | |
| | **sides** | | 2 | 6.30 | 0.45 | | 5.67 | | |

For B.V.H. Consulting Engineers

Proprietor

AE(Z-7)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BEANKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

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|---|---|---|---|---|---|---|---|---|---|
| | Infront of Blue Colour Building | | | | | | | | |
| | **RHS bottom** | | 1 | 13.50 | 0.40 | | 5.40 | | |
| | **sides** | | 2 | 13.50 | 0.45 | | 12.15 | | |
| | Infront of Grey Colour Building | | | | | | | | |
| | **LHS at bottom** | | 1 | 11.70 | 0.40 | | 4.68 | | |
| | **sides** | | 2 | 11.70 | 0.45 | | 10.53 | | |
| | Infront of House No. 60 | | | | | | | | |
| | **LHS at bottom** | | 1 | 8.40 | 0.40 | | 3.36 | | |
| | **sides** | | 2 | 8.40 | 0.45 | | 7.56 | | |
| | Infront of House No. 59 | | | | | | | | |
| | **LHS at bottom** | | 1 | 9.90 | 0.40 | | 3.96 | | |
| | **sides** | | 2 | 9.90 | 0.45 | | 8.91 | | |
| | Infront of House No. 57 | | | | | | | | |
| | **LHS at bottom** | | 1 | 13.50 | 0.40 | | 5.40 | | |
| | **sides** | | 2 | 13.50 | 0.45 | | 12.15 | | |
| | Infront of House No. 55 & 56 | | | | | | | | |
| | **LHS at bottom** | | 1 | 18.90 | 0.40 | | 7.56 | | |
| | **sides** | | 2 | 18.90 | 0.45 | | 17.01 | | |
| | **6th Cross Road** | | | | | | | | |
| | **Infront of Arika House No. 82 - RHS at bottom** | | 1.00 | 8.40 | 0.40 | | 3.36 | | |
| | **sides** | | 2.00 | 8.40 | 0.45 | | 7.56 | | |
| | Infront of Aishwarya | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 10.80 | 0.40 | | 4.32 | | |
| | **sides** | | 2.00 | 10.80 | 0.45 | | 9.72 | | |
| | Beside Pista Green Colour Building | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 4.80 | 0.40 | | 1.92 | | |
| | **sides** | | 2.00 | 4.80 | 0.45 | | 4.32 | | |
| | Infront of House No. 95 | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 6.00 | 0.40 | | 2.40 | | |
| | **sides** | | 2.00 | 6.00 | 0.45 | | 5.40 | | |
| | | | | | **Total Qty Sqm** | | **599.04** | **85.00** | **50918.40** |
| | | | | | | | | | |
| 3 | Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | **Missing BS cover Slab 3rd main road RHS** | | | | | | | | |
| | Infront of Blue Colour Building | | 1.00 | 2.00 | 0.90 | | 1.80 | | |
| | Infront of Bhagya Laxmi Provision Stores | | 1.00 | 3.00 | 0.90 | | 2.70 | | |
| | Infront of Matha Pitra Krupa | | 1.00 | 4.00 | 1.20 | | 4.80 | | |
| | Infront of Yellow Colour Building | | 1.00 | 3.00 | 1.20 | | 3.60 | | |
| | Infront of Sri Venkateshwara Nilaya & Ramu Iron Shop | | 1.00 | 2.00 | 0.90 | | 1.80 | | |
| | **LHS** | | | | | | | | |

For B.V.H. Consulting Engineers

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|---|---|---|---|---|---|---|---|---|---|
| | Beside Hotel Swadista | | 1.00 | 3.00 | 0.90 | | 2.70 | | |
| | Infront of Euro Kids School | | 1.00 | 4.00 | 1.20 | | 4.80 | | |
| | Infront of Cream Colour Building | | 1.00 | 2.00 | 0.90 | | 1.80 | | |
| | | | | | **Total Qty Sqm** | | **24.00** | **867.00** | **20808** |
| | | | | | | | | | |
| **4** | Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | **BS Slab Drain, 5th Cross Road** | | | | | | | | |
| | Infront of Kalikambha Nilaya | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 28.00 | 0.40 | | 11.20 | | |
| | **sides** | | 2.00 | 28.00 | 0.45 | | 25.20 | | |
| | Infront of Sri Laxmi Venkateshwara Prasanna | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 16.00 | 0.40 | | 6.40 | | |
| | **sides** | | 2.00 | 16.00 | 0.45 | | 14.40 | | |
| | beside Sri Laxmi Venkateshwara Prasanna | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 11.00 | 0.40 | | 4.40 | | |
| | **sides** | | 2.00 | 11.00 | 0.45 | | 9.90 | | |
| | | | | | | | | | |
| | Infront of White Colour Building | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 26.00 | 0.40 | | 10.40 | | |
| | **sides** | | 2.00 | 26.00 | 0.45 | | 23.40 | | |
| | Infront of Green Colour Building | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 14.00 | 0.40 | | 5.60 | | |
| | **sides** | | 2.00 | 14.00 | 0.45 | | 12.60 | | |
| | Infront of House No. 76 'B' Sector | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 10.00 | 0.40 | | 4.00 | | |
| | **sides** | | 2.00 | 10.00 | 0.45 | | 9.00 | | |
| | | | | | | | | | |
| | **6th Cross Road** | | | | | | | | |
| | beside Pink Colour Building | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 9.00 | 0.40 | | 3.60 | | |
| | **sides** | | 2.00 | 9.00 | 0.45 | | 8.10 | | |
| | beside Pink Colour Building | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 20.00 | 0.40 | | 8.00 | | |
| | **sides** | | 2.00 | 20.00 | 0.45 | | 18.00 | | |
| | | | | | | | | | |
| | **Arika House No. 82 - RHS at** | | 1.00 | 14.00 | 0.40 | | 5.60 | | |
| | **sides** | | 2.00 | 14.00 | 0.45 | | 12.60 | | |
| | beside Aishwarya | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 16.00 | 0.40 | | 6.40 | | |
| | **sides** | | 2.00 | 16.00 | 0.45 | | 14.40 | | |
| | Beside Pista Green Colour | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 19.00 | 0.40 | | 7.60 | | |
| | **sides** | | 2.00 | 19.00 | 0.45 | | 17.10 | | |

Abstract - N.D
AE(WS)
31/01/18

For B.V.H. Consulting Engineers

Assistant Executive Engineer
Kodichikkanahalli Sub Division
Bruhat Bangalore Mahanagara P...
Bangalore - 560 092

BRAHMA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE



Abstract - N.D
AE(WS)

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|---|---|---|---|---|---|---|---|---|---|
| | beside House No. 95 | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 18.00 | 0.40 | | 7.20 | | |
| | **sides** | | 2.00 | 18.00 | 0.45 | | 16.20 | | |
| | | | | | | | | | |
| | **2nd cross road** | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 28.00 | 0.40 | | 11.20 | | |
| | **sides** | | 2.00 | 28.00 | 0.45 | | 25.20 | | |
| | | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 19.00 | 0.40 | | 7.60 | | |
| | **sides** | | 2.00 | 19.00 | 0.45 | | 17.10 | | |
| | | | | | | | | | |
| | **RHS at bottom** | | 1.00 | 10.00 | 0.40 | | 4.00 | | |
| | **sides** | | 2.00 | 10.00 | 0.45 | | 9.00 | | |
| | | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 12.00 | 0.40 | | 4.80 | | |
| | **sides** | | 2.00 | 12.00 | 0.45 | | 10.80 | | |
| | | | | | | | | | |
| | **LHS at bottom** | | 1.00 | 19.00 | 0.40 | | 7.60 | | |
| | **sides** | | 2.00 | 19.00 | 0.45 | | 17.10 | | |
| | | | | | | | 0.00 | | |
| | **LHS at bottom** | | 1.00 | 10.00 | 0.40 | | 4.00 | | |
| | **sides** | | 2.00 | 10.00 | 0.45 | | 9.00 | | |
| | **3rd Cross Road** | | | | | | 0.00 | | |
| | Opposite White Colour Building | | | | | | 0.00 | | |
| | **RHS bottom** | | 1 | 19.00 | 0.40 | | 7.60 | | |
| | **sides** | | 2 | 19.00 | 0.45 | | 17.10 | | |
| | | | | | **Total Qty Sqm** | | **413.40** | **699.00** | **288966.60** |
| | | | | | | | | | |
| **7** | KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | 2nd cross New culvert | | 1 | 7.10 | 1.50 | 0.15 | 1.60 | | |
| | 3rd cross New culvert | | 1 | 8.00 | 1.50 | 0.15 | 1.80 | | |
| | | | | | **Total Qty Cum** | | **3.40** | **5613.00** | **19070.17** |
| | | | | | | | | | |
| **10** | KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2015-16) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | 2nd cross New culvert | | 2 | 7.10 | 0.60 | 0.90 | 7.67 | | |
| | 3rd cross New culvert | | 2 | 8.00 | 0.60 | 0.90 | 8.64 | | |
| | | | | | **Total Qty Cum** | | **16.31** | **4657.00** | **75946.356** |

AE(W2) 31/01/18

AE(W2) 28/02/18

Assistant Executive Engineer Bruhat Bangalore Mahanagara Palike Bangalore

For B.V.H. Consulting Engineers

Proprietor

AE(W2)

AE(W2) 28/02/18

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11 | KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.112, I.No.15.1 of PW, P&IWTD S.R 2015-16) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | 2nd cross New culvert | | 2 | 7.10 | | 0.90 | 12.78 | | |
| | 3rd cross New culvert | | 2 | 8.00 | | 0.90 | 14.40 | | |
| | | **Sqm** | | | **TOTAL QTY Sqm** | | **27.18** | **108.00** | **2935.44** |
| | | | | | | | | Abhilash.N.D AE(W2) 25/02/18 | |
| 12 | KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2015-16) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | **Coping for culverts** | **Cum** | | | | | | | |
| | 2nd cross New culvert | | 2 | 7.10 | 0.60 | 0.10 | 1.42 | | |
| | 3rd cross New culvert | | 2 | 8.00 | 0.60 | 0.10 | 1.60 | | |
| | | | | | **TOTAL QTY Cum** | | **3.02** | **6052.00** | **18277.04** |
| | | | | | | | | Abhilash.N.D. 25/02/18 | |
| 14 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | | **Sqm** | | | | | | | |
| | 2nd cross New culvert | | 11 | 1.80 | 0.60 | | 11.88 | | |
| | 3rd cross New culvert | | 13 | 1.80 | 0.60 | | 14.04 | | |
| | | | | | **TOTAL QTY Sqm** | | **25.92** | **5580.00** | **144633.60** |
| | | | | | | | | Abhilash.N.D AE(W2) 25/02/18. | |
| 15 | KSRRB M300- Scarifying Existing Granular Surface to a Depth of 50mm by Manual Means. KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 (P.No.148, I.No.19.58 of PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | **3rd main road Beside police** | | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 30-60 | | 1 | 30.00 | (6+5.5)/2 | | 172.50 | | |
| | 60-72 | | 1 | 12.00 | (5.5+5)/2 | | 63.00 | | |
| | **2nd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.7+6.1)/2 | | 192.00 | | |
| | 30-60 | | 1 | 30.00 | (6.1+6)/2 | | 181.50 | | |
| | 60-75 | | 1 | 15.00 | (6+5.6)/2 | | 87.00 | | |
| | **3rd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+6.5)/2 | | 201.00 | | |
| | 30-60 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 60-82 | | 1 | 22.00 | (6+6.5)/2 | | 137.50 | | |

For B.V.H. Consulting Engineers

Proprietor

Abhilash. N.D AE(W2)

Assistant Executive Engineer
Kodigenalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **4th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+5.4)/2 | | 184.50 | | |
| | 30-60 | | 1 | 30.00 | (5.4+5.8)/2 | | 168.00 | | |
| | 60-87 | | 1 | 27.00 | (5.8+5.7)/2 | | 155.25 | | |
| | **5th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.5+6)/2 | | 172.50 | | |
| | 30-60 | | 1 | 30.00 | (6+6)/2 | | 180.00 | | |
| | 60-90 | | 1 | 30.00 | (6+5.8)/2 | | 177.00 | | |
| | 90-94 | | 1 | 4.00 | (5.8+7.4)/2 | | 26.40 | | |
| | **6th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.3+5.6)/2 | | 163.50 | | |
| | 30-60 | | 1 | 30.00 | (5.6+5.9)/2 | | 172.50 | | |
| | 60-90 | | 1 | 30.00 | (5.9+5.9)/2 | | 177.00 | | |
| | 90-96 | | 1 | 6.00 | (5.9+6.4)/2 | | 36.90 | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | | 270.00 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | | 229.50 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | | 222.00 | | |
| | Below high tension line tower 80-85.40 | | 1 | 5.40 | (6.6+6.6)/2 | | 35.64 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | | 32.20 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | | 208.50 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | | 211.50 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | | 220.50 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | | 235.50 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | | 247.50 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | | 153.00 | | |
| | | | | | **TOTAL QTY Sqm** | | **5088.89** | **48.00** | **244266.72** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **18** | KSRRB M300-Construction of Subgrade and Earthen Shoulders. KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory rollercompaction by vibratory roller to 97% of proctors density) MORTH Specification No. 305 | | | | | | | | |
| | | | | | **TOTAL QTY** | | **0.00** | **368.00** | **0.00** |
| **20** | KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17) | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |
| | **3rd main road Beside police** | | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.5+6)/2 | 0.20 | 37.50 | | |
| | 30-60 | | 1 | 30.00 | (6+5.5)/2 | 0.20 | 34.50 | | |

AE(NP) 12/02/18

For B.V.H. Consulting Engineers

Proprietor

AE(NP)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 60-72 | | 1 | 12.00 | (5.5+5)/2 | 0.20 | 12.60 | | |
| | | | | | | | | | |
| | **2nd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.7+6.1)/2 | 0.20 | 38.40 | | |
| | 30-60 | | 1 | 30.00 | (6.1+6)/2 | 0.20 | 36.30 | | |
| | 60-75 | | 1 | 15.00 | (6+5.6)/2 | 0.20 | 17.40 | | |
| | | | | | | | | | |
| | **3rd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+6.5)/2 | 0.20 | 40.20 | | |
| | 30-60 | | 1 | 30.00 | (6.5+6)/2 | 0.20 | 37.50 | | |
| | 60-82 | | 1 | 22.00 | (6+6.5)/2 | 0.20 | 27.50 | | |
| | | | | | | | | | |
| | **4th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+5.4)/2 | 0.20 | 36.90 | | |
| | 30-60 | | 1 | 30.00 | (5.4+5.8)/2 | 0.20 | 33.60 | | |
| | 60-87 | | 1 | 27.00 | (5.8+5.7)/2 | 0.20 | 31.05 | | |
| | **5th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.5+6)/2 | 0.20 | 34.50 | | |
| | 30-60 | | 1 | 30.00 | (6+6)/2 | 0.20 | 36.00 | | |
| | 60-90 | | 1 | 30.00 | (6+5.8)/2 | 0.20 | 35.40 | | |
| | 90-94 | | 1 | 4.00 | (5.8+7.4)/2 | 0.20 | 5.28 | | |
| | **6th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.3+5.6)/2 | 0.20 | 32.70 | | |
| | 30-60 | | 1 | 30.00 | (5.6+5.9)/2 | 0.20 | 34.50 | | |
| | 60-90 | | 1 | 30.00 | (5.9+5.9)/2 | 0.20 | 35.40 | | |
| | 90-96 | | 1 | 6.00 | (5.9+6.4)/2 | 0.20 | 7.38 | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | 0.25 | 67.50 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | 0.25 | 57.38 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | 0.25 | 55.50 | | |
| | Below high tension line tower 80-85.40 | | 1 | 5.40 | (6.6+6.6)/2 | 0.25 | 8.91 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | 0.25 | 8.05 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | 0.25 | 52.13 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | 0.25 | 52.88 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | 0.25 | 55.13 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | 0.25 | 58.88 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | 0.25 | 61.88 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | 0.25 | 38.25 | | |
| | | | | | **TOTAL QTY Cum** | | **1121.07** | **1855.00** | **2079584.85** |
| | | | | | | | | | |
| **21** | KSRRB M500-6. Providing and applying **primer coat with S.S. bitumen emulsion on prepared surface of granular base** such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg /sqm using mechanical means complete as per specifications.As per MORTH Specification No. 502 with all lead and lift loading and unloading and all other incidential charges etc.complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | |
| | Measurements recorded on: | | | | | | | | |

For B.M. Developers & Engineers

Proprietor

AE (WZ)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **3rd main road Amruthanagara** | | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 30-60 | | 1 | 30.00 | (6+5.5)/2 | | 172.50 | | |
| | 60-72 | | 1 | 12.00 | (5.5+5)/2 | | 63.00 | | |
| | **2nd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.7+6.1)/2 | | 192.00 | | |
| | 30-60 | | 1 | 30.00 | (6.1+6)/2 | | 181.50 | | |
| | 60-75 | | 1 | 15.00 | (6+5.6)/2 | | 87.00 | | |
| | **3rd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+6.5)/2 | | 201.00 | | |
| | 30-60 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 60-82 | | 1 | 22.00 | (6+6.5)/2 | | 137.50 | | |
| | **4th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+5.4)/2 | | 184.50 | | |
| | 30-60 | | 1 | 30.00 | (5.4+5.8)/2 | | 168.00 | | |
| | 60-87 | | 1 | 27.00 | (5.8+5.7)/2 | | 155.25 | | |
| | **5th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.5+6)/2 | | 172.50 | | |
| | 30-60 | | 1 | 30.00 | (6+6)/2 | | 180.00 | | |
| | 60-90 | | 1 | 30.00 | (6+5.8)/2 | | 177.00 | | |
| | 90-94 | | 1 | 4.00 | (5.8+7.4)/2 | | 26.40 | | |
| | **6th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.3+5.6)/2 | | 163.50 | | |
| | 30-60 | | 1 | 30.00 | (5.6+5.9)/2 | | 172.50 | | |
| | 60-90 | | 1 | 30.00 | (5.9+5.9)/2 | | 177.00 | | |
| | 90-96 | | 1 | 6.00 | (5.9+6.4)/2 | | 36.90 | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | | 270.00 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | | 229.50 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | | 222.00 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | | 32.20 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | | 208.50 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | | 211.50 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | | 220.50 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | | 235.50 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | | 247.50 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | | 153.00 | | |
| | | | | | **Total Qty Sqm** | | **5053.25** | **31.00** | **156650.75** |

For B.V.H. Consulting Engineers

Proprietor

AE(W2)

AE(W2)
19/02/18

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 24 | KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 (P.No.162 I.No. 21.17.6 of PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | 0.05 | 13.50 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | 0.05 | 11.48 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | 0.05 | 11.10 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | 0.05 | 1.61 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | 0.05 | 10.43 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | 0.05 | 10.58 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | 0.05 | 11.03 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | 0.05 | 11.78 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | 0.05 | 12.38 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | 0.05 | 7.65 | | |
| | | | | | **Total Qty Cum** | | **101.51** | **7384.00** | **749549.84** |
| | | | | | | | | | |
| 23 | KSRRB 500-7. Providing and applying **tack coat using 80/100 grade bitumen**(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 with all lead and lift loading and unloading and all other incidential charges etc.complete as per specification and direction of the engineer-in-charge of the work | | | | | | | | |
| | Measurement recorded on: | | | | | | | | |
| | **For DBM 3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | | 270.00 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | | 229.50 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | | 222.00 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | | 32.20 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | | 208.50 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | | 211.50 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | | 220.50 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | | 235.50 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | | 247.50 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | | 153.00 | | |
| | **For BC 3rd main road Amruthanagara** | | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 30-60 | | 1 | 30.00 | (6+5.5)/2 | | 172.50 | | |
| | 60-72 | | 1 | 12.00 | (5.5+5)/2 | | 63.00 | | |
| | | | | | | | | | |
| | **2nd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.7+6.1)/2 | | 192.00 | | |

AE(WD) 20/02/18

AE(WD) 20/02/18

For B.V.H. Consulting Engineers

Proprietor

Assistant Executive Engineer
Kothanur Sub Division
Bruhat Bangalore Mahanagara P
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 30-60 | | 1 | 30.00 | (6.1+6)/2 | | 181.50 | | |
| | 60-75 | | 1 | 15.00 | (6+5.6)/2 | | 87.00 | | |
| | | | | | | | | | |
| | **3rd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+6.5)/2 | | 201.00 | | |
| | 30-60 | | 1 | 30.00 | (6.5+6)/2 | | 187.50 | | |
| | 60-82 | | 1 | 22.00 | (6+6.5)/2 | | 137.50 | | |
| | | | | | | | | | |
| | **4th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+5.4)/2 | | 184.50 | | |
| | 30-60 | | 1 | 30.00 | (5.4+5.8)/2 | | 168.00 | | |
| | 60-87 | | 1 | 27.00 | (5.8+5.7)/2 | | 155.25 | | |
| | **5th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.5+6)/2 | | 172.50 | | |
| | 30-60 | | 1 | 30.00 | (6+6)/2 | | 180.00 | | |
| | 60-90 | | 1 | 30.00 | (6+5.8)/2 | | 177.00 | | |
| | 90-94 | | 1 | 4.00 | (5.8+7.4)/2 | | 26.40 | | |
| | **6th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.3+5.6)/2 | | 163.50 | | |
| | 30-60 | | 1 | 30.00 | (5.6+5.9)/2 | | 172.50 | | |
| | 60-90 | | 1 | 30.00 | (5.9+5.9)/2 | | 177.00 | | |
| | 90-96 | | 1 | 6.00 | (5.9+6.4)/2 | | 36.90 | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | | 270.00 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | | 229.50 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | | 222.00 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | | 32.20 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | | 208.50 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | | 211.50 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | | 220.50 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | | 235.50 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | | 247.50 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | | 153.00 | | |
| | | | | | **Total Qty Sqm** | | **7083.45** | **13.00** | **92084.85** |
| | | | | | | | | | |
| **25** | KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | Measurement recorded on: | | | | | | | | |
| | **For BC 3rd main road Amruthanagara** | | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.5+6)/2 | 0.04 | 7.50 | | |
| | 30-60 | | 1 | 30.00 | (6+5.5)/2 | 0.04 | 6.90 | | |
| | 60-72 | | 1 | 12.00 | (5.5+5)/2 | 0.04 | 2.52 | | |

AE(Civil) 20/10/18

For B.V.H. Consulting Engineers

Proprietor

AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **2nd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.7+6.1)/2 | 0.04 | 7.68 | | |
| | 30-60 | | 1 | 30.00 | (6.1+6)/2 | 0.04 | 7.26 | | |
| | 60-75 | | 1 | 15.00 | (6+5.6)/2 | 0.04 | 3.48 | | |
| | **3rd Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+6.5)/2 | 0.04 | 8.04 | | |
| | 30-60 | | 1 | 30.00 | (6.5+6)/2 | 0.04 | 7.50 | | |
| | 60-82 | | 1 | 22.00 | (6+6.5)/2 | 0.04 | 5.50 | | |
| | **4th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (6.9+5.4)/2 | 0.04 | 7.38 | | |
| | 30-60 | | 1 | 30.00 | (5.4+5.8)/2 | 0.04 | 6.72 | | |
| | 60-87 | | 1 | 27.00 | (5.8+5.7)/2 | 0.04 | 6.21 | | |
| | **5th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.5+6)/2 | 0.04 | 6.90 | | |
| | 30-60 | | 1 | 30.00 | (6+6)/2 | 0.04 | 7.20 | | |
| | 60-90 | | 1 | 30.00 | (6+5.8)/2 | 0.04 | 7.08 | | |
| | 90-94 | | 1 | 4.00 | (5.8+7.4)/2 | 0.04 | 1.06 | | |
| | **6th Cross Road** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (5.3+5.6)/2 | 0.04 | 6.54 | | |
| | 30-60 | | 1 | 30.00 | (5.6+5.9)/2 | 0.04 | 6.90 | | |
| | 60-90 | | 1 | 30.00 | (5.9+5.9)/2 | 0.04 | 7.08 | | |
| | 90-96 | | 1 | 6.00 | (5.9+6.4)/2 | 0.04 | 1.48 | | |
| | **3rd main road Amruthanagara** | | | | | | | | |
| | 0-30 | | 1 | 30.00 | (10.3+7.7)/2 | 0.04 | 10.80 | | |
| | 30-60 | | 1 | 30.00 | (7.7+7.6)/2 | 0.04 | 9.18 | | |
| | 60-80 | | 1 | 30.00 | (7.6+7.2)/2 | 0.04 | 8.88 | | |
| | 85.40-90 | | 1 | 4.60 | (7.2+6.8)/2 | 0.04 | 1.29 | | |
| | 90-120 | | 1 | 30.00 | (6.8+7.1)/2 | 0.04 | 8.34 | | |
| | 120-150 | | 1 | 30.00 | (7.1+7)/2 | 0.04 | 8.46 | | |
| | 150-180 | | 1 | 30.00 | (7+7.7)/2 | 0.04 | 8.82 | | |
| | 180-210 | | 1 | 30.00 | (7.7+8)/2 | 0.04 | 9.42 | | |
| | 210-240 | | 1 | 30.00 | (8+8.5)/2 | 0.04 | 9.90 | | |
| | 240-257 | | 1 | 17.00 | (8.5+9.5)/2 | 0.04 | 6.12 | | |
| | | | | | **Total Qty Cum** | | **202.13** | **8438.00** | **1705572.94** |
| **30** | KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17) | | | | | | | | |
| | Measurement recorded on: | | | | | | | | |
| | **Edge line** | **Sqm** | | | | | | | |
| | **1st Cross Road** | | | | | | | | |
| | 0-30 | | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-72 | | 2 | 12.00 | 0.10 | | 2.40 | | |

AE(Civil) 28/07/18

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P
Bangalore - 560 092

For B.V.H. Consulting Engineers

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Centre line | 12 | 3.00 | 0.10 | | 3.60 | | |
| | | | | | | | | |
| | 2nd Cross Road | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-75 | 2 | 15.00 | 0.10 | | 3.00 | | |
| | Centre line | 12 | 3.00 | 0.10 | | 3.60 | | |
| | | | | | | | | |
| | 3rd Cross Road | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-82 | 2 | 22.00 | 0.10 | | 4.40 | | |
| | Centre line | 13 | 3.00 | 0.10 | | 3.90 | | |
| | | | | | | | | |
| | 4th Cross Road | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-87 | 2 | 27.00 | 0.10 | | 5.40 | | |
| | Centre line | 14 | 3.00 | 0.10 | | 4.20 | | |
| | | | | | | | | |
| | 5th Cross Road | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-90 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 90-94 | 2 | 4.00 | 0.10 | | 0.80 | | |
| | Centre line | 15 | 3.00 | 0.10 | | 4.50 | | |
| | | | | | | | | |
| | 6th Cross Road | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-90 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 90-96 | 2 | 6.00 | 0.10 | | 1.20 | | |
| | Centre line | 16 | 3.00 | 0.10 | | 4.80 | | |
| | | | | | | | | |
| | 3rd main road Amruthanagara | | | | | | | |
| | 0-30 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 30-60 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 60-80 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 85.40-90 | 2 | 4.60 | 0.10 | | 0.92 | | |
| | 90-120 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 120-150 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 150-180 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 180-210 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 210-240 | 2 | 30.00 | 0.10 | | 6.00 | | |
| | 240-257 | 2 | 17.00 | 0.10 | | 3.40 | | |
| | Centre line | 42 | 3.00 | 0.10 | | 12.60 | | |
| | | | | | Total Qty Sqm | 190.72 | 570.00 | 108710.4 |

For B.V.H. Consulting Engineers

Proprietor

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 092

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 26 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing | | | | | | | | |
| | Measurement recorded on: | | | | | | | | |
| | Below high tension line tower 80-85.40 | | 1 | 5.40 | (6.6+6.6)/2 | 0.15 | 5.35 | | |
| | | | | | Total Qty Sqm | | 5.35 | 6525.00 | 34882.65 |
| | | | | | | | | | |
| | | | | | **Total Construction Cost** | | | | 5882080.95 |

For B.V.H. Consulting Engineers

Proprietor

AE(HQ) 5/3/18

5/3/18

Assistant Executive Engineer
Kodigehalli Sub Division
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Bangalore - 560 092

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